

#3

FIG. 1

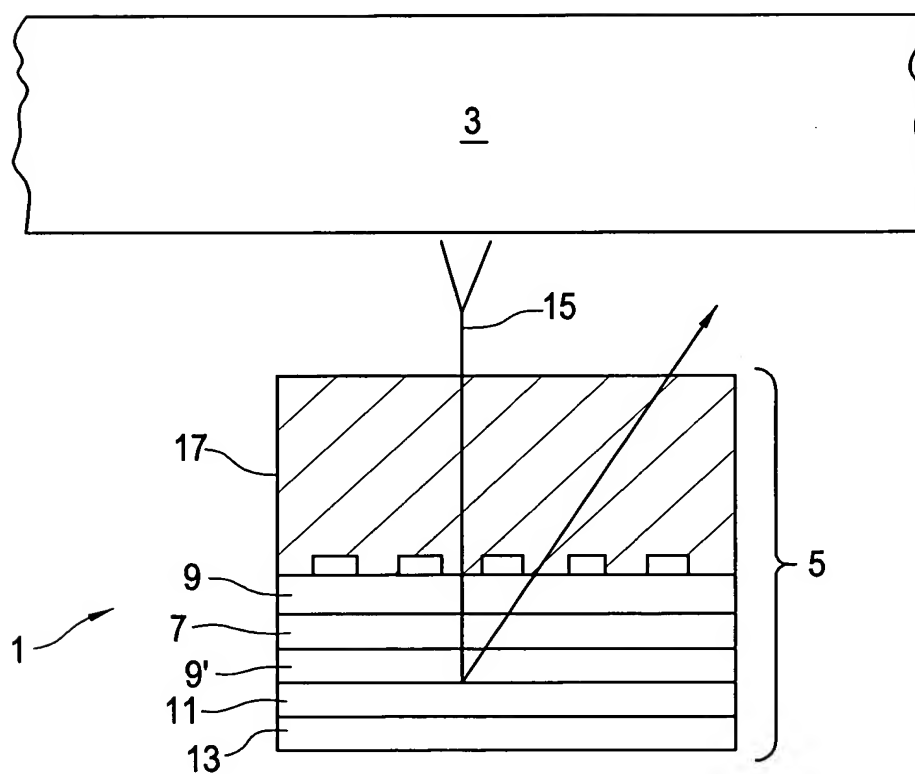


FIG. 2

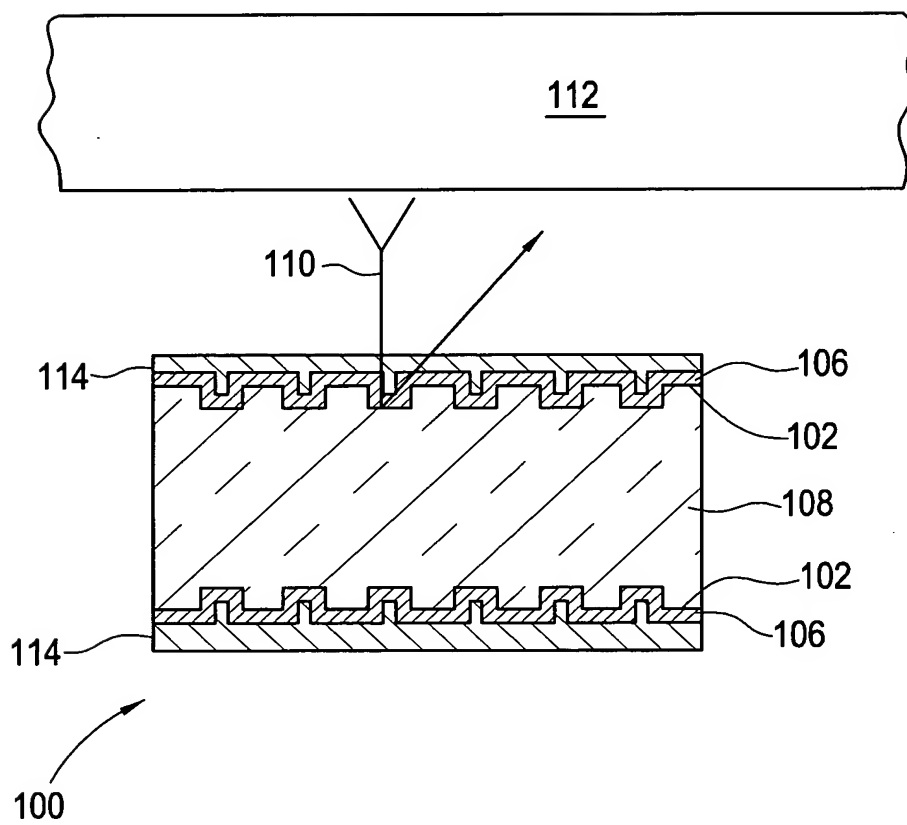


FIG. 3

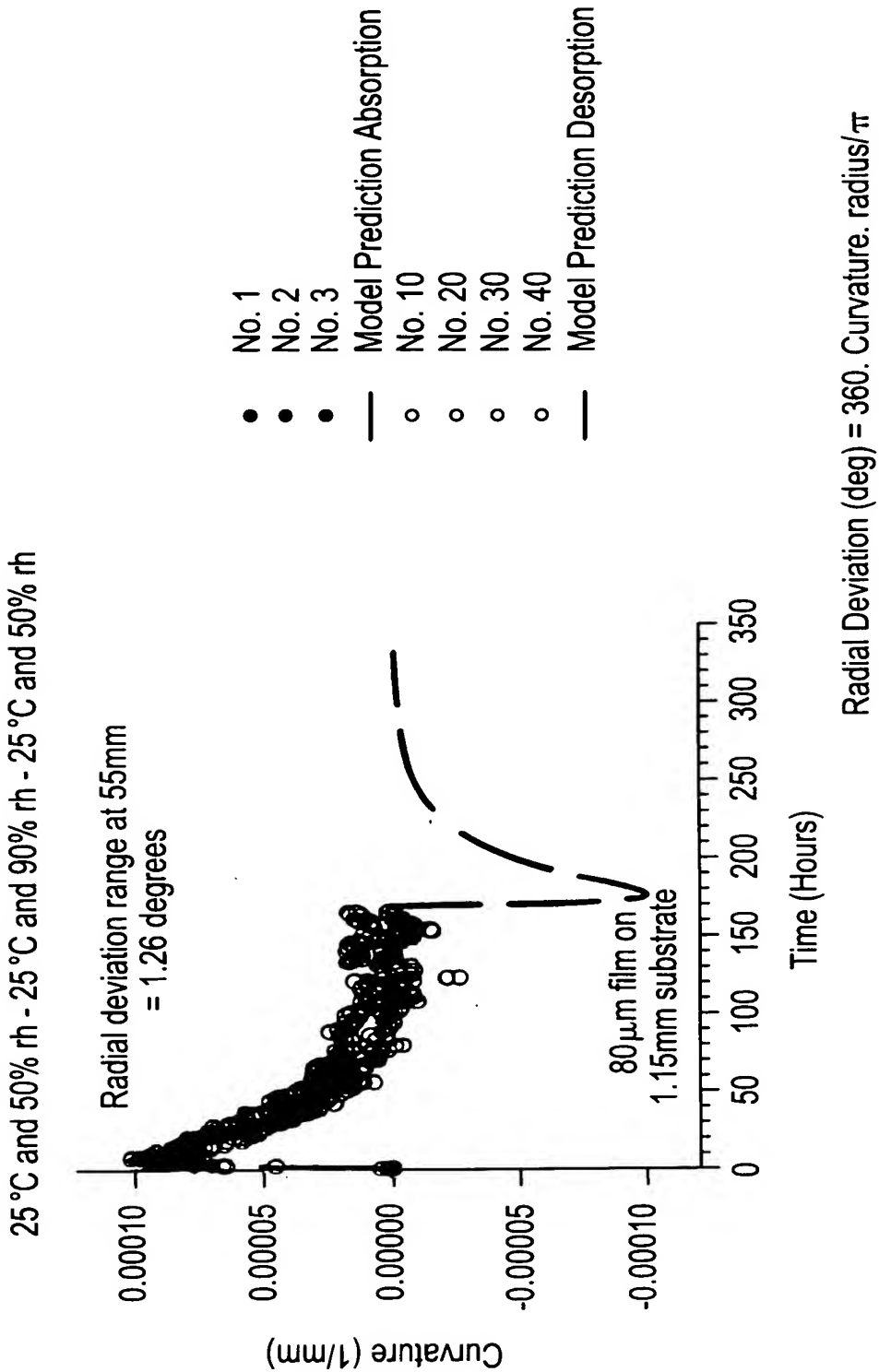


FIG. 4

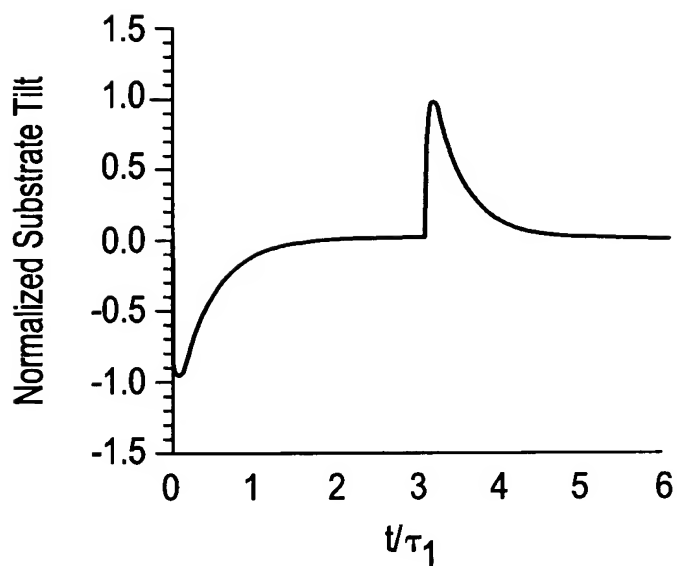
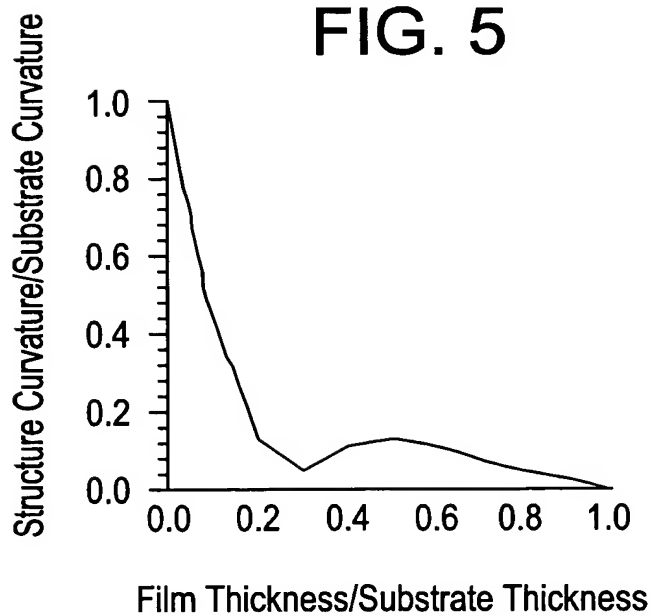


FIG. 5



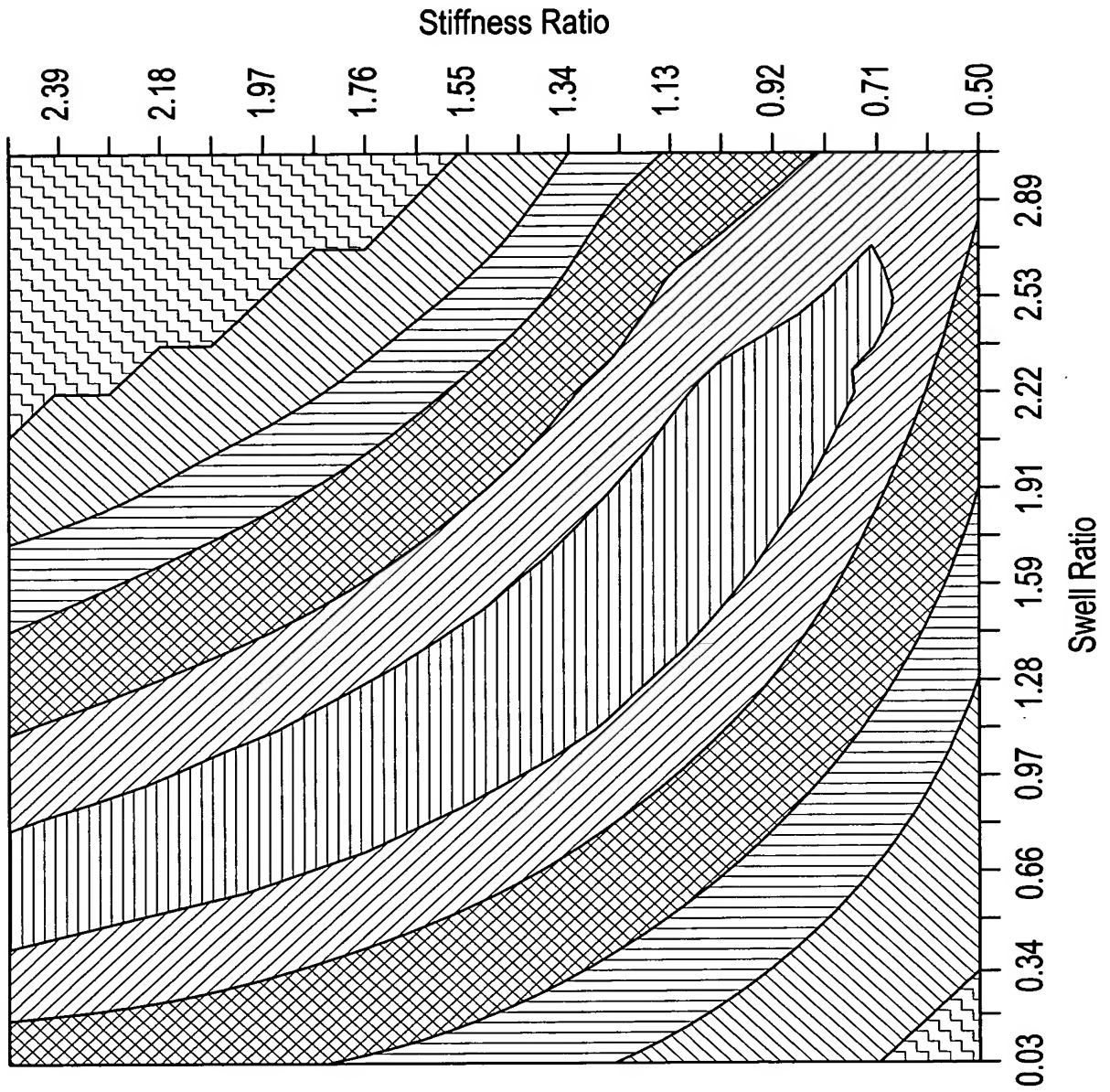


FIG. 6

- 1.2-1.4
- 1.1-1.2
- 0.8-1
- 0.6-0.8
- 0.4-0.6
- 0-0.2

209140 " SHEET 2001

FIG. 7

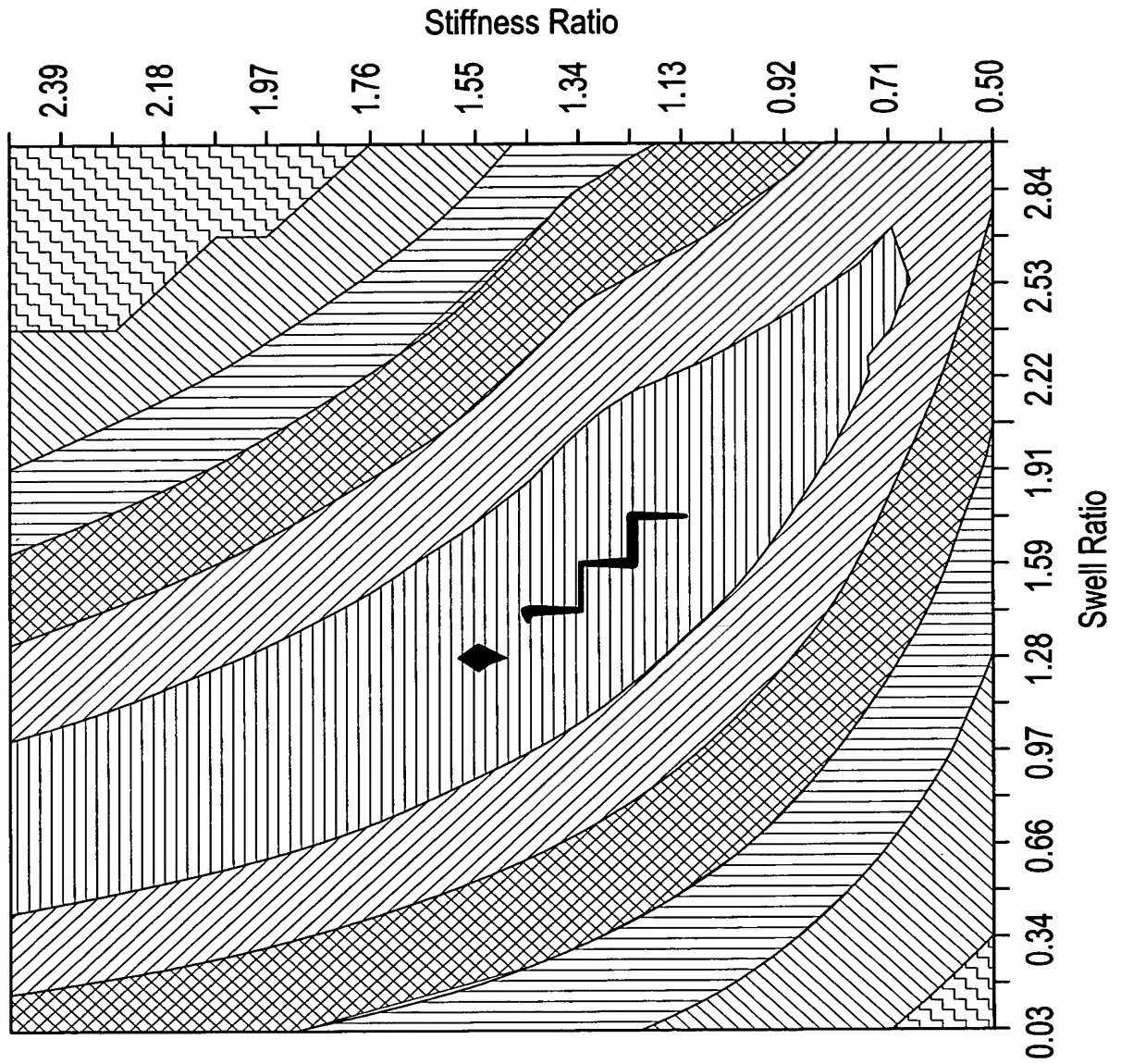


FIG. 8

Mismatched System - identical substrate

25 °C and 50% rh - 25 °C and 90% rh - 25 °C and 50% rh

Film Ratios	
Thickness	0.070
Stiffness	1.3985496
Swell	1.9999845
Diffusivity	0.930049

60% reduction in  
radial deviation range

